

Section II  
Soil and Site Information

Building Site Development  
Moody County, South Dakota

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ac: Alcester-----	90	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.35  0.10	Not limited	
Ad: Alwilda-----	85	Somewhat limited Flooding	0.40	Very limited Cutbanks cave	1.00	Not limited	
Ar: Arlo-----	85	Very limited Frost action  Flooding Depth to saturated zone	1.00  1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00  1.00 0.60	Very limited Depth to saturated zone Flooding	1.00  0.60
Ba: Baltic-----	85	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00  1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00  0.28 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
Bb: Baltic-----	90	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00  1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00  0.28 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
BeA: Blendon-----	85	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Bo: Bon-----	85	Very limited Flooding Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 0.61 0.60	Somewhat limited Flooding	0.60

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ca: Chancellor-----	85	Very limited Frost action  Flooding  Low strength Shrink-swell Depth to saturated zone	1.00  1.00  1.00 1.00 1.00	Very limited Depth to saturated zone Flooding  Too clayey Cutbanks cave	1.00  0.80  0.12 0.10	Very limited Flooding  Depth to saturated zone	1.00  1.00
Ch: Chaska-----	90	Very limited Frost action Flooding  Depth to saturated zone	1.00 1.00  0.19	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00  0.80	Very limited Flooding Depth to saturated zone	1.00 0.19
Cm: Clamo-----	90	Very limited Frost action  Flooding  Low strength Shrink-swell Depth to saturated zone	1.00  1.00  1.00 1.00 1.00	Very limited Depth to saturated zone Flooding  Too clayey Cutbanks cave	1.00  0.60  0.12 0.10	Very limited Too clayey  Depth to saturated zone Flooding	1.00  1.00 0.60
DaA: Davis-----	90	Very limited Low strength  Shrink-swell Frost action	1.00  0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61  0.10	Not limited	
DaB: Davis-----	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Dc: Davison-----	60	Very limited Frost action  Shrink-swell	1.00  0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.99  0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Crossplain-----	30	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	0.75
		Low strength Shrink-swell	1.00 1.00	Cutbanks cave	0.10		
		Depth to saturated zone	0.75				
DeA: Delmont-----	90	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.01
DgD: Delmont-----	50	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.01
Talmo-----	30	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Droughty	1.00 0.41
DmA: Dempster-----	85	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
DmB: Dempster-----	85	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
DnB: Dempster-----	60	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
Talmo-----	20	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.41

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Do: Dimo-----	85	Very limited Frost action Flooding  Low strength Shrink-swell Depth to saturated zone	1.00 1.00  1.00 0.50 0.03	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00  0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.03
DsB: Doland-----	85	Somewhat limited Low strength Frost action	0.78 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
DvA: Doland-----	60	Somewhat limited Low strength Frost action	0.78 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Bonilla-----	25	Very limited Low strength  Shrink-swell Frost action	1.00  0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47  0.10	Not limited	
EeB: Egan-----	60	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Ethan-----	25	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
EnA: Enet-----	85	Somewhat limited Flooding	0.40	Very limited Cutbanks cave Depth to saturated zone	1.00 0.24	Not limited	
EoA: Enet-----	60	Somewhat limited Flooding	0.40	Very limited Cutbanks cave Depth to saturated zone	1.00 0.24	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Dimo-----	25	Very limited Frost action Flooding  Low strength Shrink-swell Depth to saturated zone	1.00 1.00  1.00 0.50 0.03	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00  0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.03
ErD: Ethan-----	50	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Clarno-----	35	Very limited Low strength Shrink-swell Frost action Slope	1.00 0.50 0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
EsD: Ethan-----	50	Very limited Slope  Low strength Shrink-swell Frost action	1.00  1.00 0.50 0.50	Very limited Slope  Cutbanks cave	1.00  0.10	Very limited Content of large stones Slope	1.00 1.00
Clarno-----	35	Very limited Low strength  Shrink-swell Frost action Slope	1.00  0.50 0.50 0.37	Somewhat limited Slope  Cutbanks cave	0.37 0.10	Very limited Content of large stones Slope	1.00 0.37
EtC: Ethan-----	45	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Egan-----	40	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
ExC: Ethan-----	50	Very limited Low strength  Shrink-swell Frost action	1.00  0.50 0.50	Somewhat limited Cutbanks cave	0.10	Very limited Content of large stones	1.00
Egan-----	35	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
FaA: Flandreau-----	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Very limited Cutbanks cave	1.00	Not limited	
FaB: Flandreau-----	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Very limited Cutbanks cave	1.00	Not limited	
FmB: Flandreau-----	60	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Very limited Cutbanks cave	1.00	Not limited	
Maddock-----	30	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Ga: Graceville-----	85	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
GrB: Grovena-----	85	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
GvA: Grovena-----	60	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Bonilla-----	25	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
HoA: Houdek-----	85	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
HoB: Houdek-----	85	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
HsC: Houdek-----	65	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
Shindler-----	20	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
HsD: Houdek-----	50	Very limited Low strength	1.00	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
		Slope	0.37				
Shindler-----	35	Very limited Low strength	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Slope	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
HtD: Houdek-----	50	Very limited Low strength	1.00	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
		Slope	0.37				

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Talmo-----	35	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.41
HuA: Huntimer-----	90	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
KaB: Kranzburg-----	85	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
KbA: Kranzburg-----	65	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Brookings-----	25	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61  0.10	Not limited	
La: Lamo-----	85	Very limited Frost action  Flooding  Low strength Shrink-swell Depth to saturated zone	1.00  1.00  1.00 0.50 0.19	Very limited Depth to saturated zone Flooding  Cutbanks cave	1.00  0.60  0.10	Somewhat limited Flooding  Depth to saturated zone	0.60  0.19



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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lb: Lamo-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	0.19
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Depth to saturated zone	0.19				
M-W: Miscellaneous Water-	100	Not rated		Not rated		Not rated	
MfC: Maddock-----	50	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Flandreau-----	35	Very limited Low strength	1.00	Very limited Cutbanks cave	1.00	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
MnB: Moody-----	55	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
Nora-----	30	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
MoB: Moody-----	90	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
MtA: Moody-----	65	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Trent-----	25	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
NcC: Nora-----	70	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength Shrink-swell	1.00 0.50				
Crofton-----	20	Very limited Low strength Frost action	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
NmC: Nora-----	45	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength Shrink-swell	1.00 0.50				
Moody-----	40	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength Shrink-swell	1.00 0.50				
Og: Orthents, Gravelly--	100	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty Gravel content	1.00 0.42 0.25
Or: Orthents, Loamy-----	100	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Sa: Salmo-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10	Salinity	1.00
		Depth to saturated zone	1.00				
		Shrink-swell	0.50				
ShE: Shindler-----	45	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Houdek-----	40	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Tr: Trent-----	85	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
W: Water-----	100	Not rated		Not rated		Not rated	
Wa: Wakonda-----	55	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.95	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Chancellor-----	35	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Low strength	1.00	Too clayey	0.12		
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	1.00				
WcA: Wentworth-----	55	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
Chancellor-----	20	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Low strength	1.00	Too clayey	0.12		
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	1.00				
Wakonda-----	15	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.95	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
WeB: Wentworth-----	55	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
Egan-----	30	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
WhA: Wentworth-----	65	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Trent-----	25	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Wo: Worthing-----	95	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00  1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00  0.50 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AaA: Aastad-----	85	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90  0.10	Not limited	
Ac: Antler-----	50	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00  0.10	Not limited	
Colvin-----	30	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00  1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00  0.10	Very limited Depth to saturated zone	1.00
At: Antler-----	45	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00  0.10	Not limited	
Tonka-----	25	Very limited Depth to saturated zone Frost action Low strength Shrink-swell Ponding	1.00  1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00  1.00 0.10	Very limited Depth to saturated zone Ponding	1.00  1.00
AvA: Antler-----	45	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00  0.10	Not limited	
Hamerly-----	40	Very limited Frost action  Low strength Shrink-swell	1.00  0.78 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00  0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BbE: Barnes-----	50	Very limited Slope Shrink-swell Frost action Low strength	1.00 0.50 0.50 0.22	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Buse-----	25	Very limited Slope Content of large stones Shrink-swell Frost action Low strength	1.00 0.54 0.50 0.50 0.22	Very limited Slope Content of large stones Cutbanks cave	1.00 0.54 0.10	Very limited Slope Content of large stones	1.00 1.00
Be: Bearden-----	85	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
Bo: Borup-----	85	Very limited Frost action  Depth to saturated zone Flooding	1.00  1.00 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
BpF: Buse-----	50	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Forman-----	20	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Co: Colvin-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10		
		Low strength	1.00				
		Shrink-swell	0.50				
DcA: Dickey-----	80	Not limited		Very limited Cutbanks cave	1.00	Not limited	
DcB: Dickey-----	80	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Dm: Divide-----	55	Very limited Flooding	1.00	Very limited Cutbanks cave	1.00	Somewhat limited Flooding	0.60
		Frost action	0.50	Depth to saturated zone	1.00		
				Flooding	0.60		
Marysland-----	40	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Depth to saturated zone	1.00	Flooding	0.60		
		Shrink-swell	0.50				
		Low strength	0.22				
Do: Doran-----	80	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Low strength	1.00	Too clayey	0.03		



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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Dv: Castlewood-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.60	Too clayey	1.00
		Low strength	1.00	Too clayey	0.12	Flooding	0.60
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	1.00				
ECA: Eckman-----	85	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
ECB: Eckman-----	80	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
EeC: Eckman-----	65	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Zell-----	25	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
Eh: Embden-----	70	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
				Depth to saturated zone	0.47		
Hamar-----	20	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	0.50	Cutbanks cave	1.00		
FdA: Fordville-----	90	Not limited		Very limited Cutbanks cave	1.00	Not limited	
FeB: Fordville-----	70	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Renshaw-----	25	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.05

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
FOA: Forman-----	70	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Aastad-----	20	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90  0.10	Not limited	
FOB: Forman-----	60	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Aastad-----	25	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90  0.10	Not limited	
FOC: Forman-----	60	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Aastad-----	25	Very limited Low strength  Shrink-swell Frost action	1.00  0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90  0.10	Not limited	
FOD: Forman-----	55	Somewhat limited Low strength Slope Shrink-swell Frost action	0.78 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
Aastad-----	25	Very limited Low strength  Shrink-swell Frost action	1.00  0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90  0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
FsB: Forman-----	65	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Aastad-----	25	Very limited Frost action  Low strength Shrink-swell	1.00  1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.90  0.10	Not limited	
FuC: Forman-----	55	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Buse-----	25	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
FuD: Forman-----	55	Somewhat limited Low strength Slope Shrink-swell Frost action	0.78 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
Buse-----	25	Somewhat limited Low strength Slope Shrink-swell Frost action	0.78 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
FuE: Forman-----	45	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Buse-----	25	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
FvE: Forman-----	55	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Buse-----	20	Very limited Slope Content of large stones Shrink-swell Frost action Low strength	1.00 0.54 0.50 0.50 0.22	Very limited Slope Content of large stones Cutbanks cave	1.00 0.54 0.10	Very limited Slope Content of large stones	1.00 1.00
Ga: Gardena-----	85	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Not limited	
Gp: Orthents, Gravelly--	100	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty Gravel content	1.00 0.42 0.25
GyA: Glyndon-----	85	Very limited Frost action  Depth to saturated zone	1.00  0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Ha: Hamar-----	90	Very limited Depth to saturated zone Frost action	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
HbA: Hamerly-----	45	Very limited Frost action  Low strength Shrink-swell	1.00  0.78 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Tonka-----	25	Very limited Depth to saturated zone Frost action Low strength Shrink-swell Ponding	1.00  1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00  1.00 0.10	Very limited Depth to saturated zone Ponding	1.00  1.00
HcA: Hamerly-----	65	Very limited Frost action  Low strength Shrink-swell	1.00  0.78 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00  0.10	Not limited	
Vallers-----	20	Very limited Frost action  Low strength Depth to saturated zone Shrink-swell Flooding	1.00  1.00 1.00  0.50 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00  0.10	Very limited Depth to saturated zone	1.00
HcB: Hamerly-----	65	Very limited Frost action  Low strength Shrink-swell	1.00  0.78 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00  0.10	Not limited	
Vallers-----	20	Very limited Frost action  Low strength Depth to saturated zone Shrink-swell Flooding	1.00  1.00 1.00  0.50 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00  0.10	Very limited Depth to saturated zone	1.00
HdD: Hattie-----	90	Very limited Low strength Shrink-swell Slope Frost action	1.00 1.00 0.63 0.50	Very limited Cutbanks cave Slope Too clayey	1.00 0.63 0.50	Somewhat limited Slope	0.63

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HdE: Hattie-----	85	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 1.00 0.50	Very limited Slope Cutbanks cave Too clayey	1.00 1.00 0.50	Very limited Slope	1.00
HkD: Hattie-----	45	Very limited Low strength Shrink-swell Slope Frost action	1.00 1.00 1.00 0.50	Very limited Cutbanks cave Slope Too clayey	1.00 1.00 0.50	Very limited Slope	1.00
Kloten-----	40	Very limited Depth to soft bedrock Slope Low strength Shrink-swell  Frost action	1.00 1.00 0.78 0.50 0.50	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock  Slope Droughty Content of large stones	1.00  1.00 0.97 0.01
HmA: Hecla-----	60	Somewhat limited Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.61	Somewhat limited Droughty	0.07
Hamar-----	30	Very limited Depth to saturated zone Frost action	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
HsB: Heimdal-----	55	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Sisseton-----	20	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
HsC: Heimdal-----	50	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Sisseton-----	25	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HvA: Heimdal-----	75	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Svea-----	15	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell Frost action	0.50 0.50	Cutbanks cave	0.10		
HvB: Heimdal-----	65	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Svea-----	25	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell Frost action	0.50 0.50	Cutbanks cave	0.10		
La: Ladelle-----	90	Very limited Frost action	1.00	Somewhat limited Flooding	0.60	Somewhat limited Flooding	0.60
		Flooding	1.00	Depth to saturated zone	0.47		
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
Lm: Lamoure-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Low strength	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	1.00				
		Shrink-swell	0.50				
Lp: La Prairie-----	90	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lt: Lamoure-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	1.00				
		Shrink-swell	0.50				
Lu: Ludden-----	90	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Too clayey	1.00
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	1.00				
M-W: Miscellaneous Water-	100	Not rated		Not rated		Not rated	
MaB: Maddock-----	90	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.04
MaD: Maddock-----	85	Very limited Slope	1.00	Very limited Cutbanks cave	1.00	Very limited Slope	1.00
				Slope	1.00	Droughty	0.04
Mr: Southam-----	90	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10	Salinity	0.13
		Low strength	1.00	Too clayey	0.03		
		Shrink-swell	1.00				



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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Mw: Marysland-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Depth to saturated zone	1.00	Flooding	0.60		
		Shrink-swell	0.50				
		Low strength	0.22				
Or: Orthents, Loamy----	100	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
Pa: Parnell-----	85	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
PeA: Peever-----	85	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	1.00	Too clayey	0.03		
		Frost action	0.50				
PeB: Peever-----	85	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	1.00	Too clayey	0.03		
		Frost action	0.50				
PeC: Peever-----	80	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	1.00	Too clayey	0.03		
		Frost action	0.50				
PhA: Peever-----	70	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	1.00	Too clayey	0.03		
		Frost action	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cavour-----	25	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Very limited Sodium content	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Pk: Peever-----	60	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
Tonka-----	30	Very limited Depth to saturated zone Frost action Low strength Shrink-swell Ponding	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
Pm: Playmoor-----	85	Very limited Frost action Flooding Low strength Depth to saturated zone Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone Salinity	1.00 1.00 1.00
PoA: Poinsett-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
PoB: Poinsett-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ra: Rauville-----	90	Very limited Depth to saturated zone Frost action  Flooding Low strength	1.00  1.00  1.00 1.00	Very limited Depth to saturated zone Flooding  Cutbanks cave	1.00  0.80  0.10	Very limited Flooding  Depth to saturated zone	1.00   1.00
ReA: Renshaw-----	85	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.05
ReB: Renshaw-----	85	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.05
RhB: Renshaw-----	70	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.05
Sioux-----	20	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.68
RhD: Renshaw-----	50	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.05
Sioux-----	40	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.68
RsE: Renshaw-----	50	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.05
Sioux-----	35	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.68
RtA: Rentill-----	85	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
RtB: Rentill-----	85	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
Sb: Minnewaukan-----	90	Very limited Depth to saturated zone Flooding Ponding Frost action	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Ponding Flooding	1.00 1.00 1.00 0.60	Very limited Depth to saturated zone Ponding Flooding Droughty	1.00 1.00 0.60 0.38
ScF: Sieche-----	80	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 1.00 0.50	Very limited Slope Cutbanks cave Too clayey	1.00 0.10 0.03	Very limited Slope	1.00
SnA: Sinai-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Cutbanks cave Too clayey	1.00 0.72	Very limited Too clayey	1.00
SnB: Sinai-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Cutbanks cave Too clayey	1.00 0.72	Very limited Too clayey	1.00
SsF: Sisseton-----	70	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
StD: Sisseton-----	45	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Heimdal-----	30	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
SvC: Svea-----	90	Very limited Low strength  Shrink-swell Frost action	1.00  0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.61  0.10	Not limited	
SwA: Sverdrup-----	85	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.09
SwB: Sverdrup-----	85	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.09
Tk: Tonka-----	85	Very limited Depth to saturated zone Frost action Low strength Shrink-swell Ponding	1.00  1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00  1.00 0.10	Very limited Depth to saturated zone Ponding	1.00  1.00
To: Towner-----	85	Somewhat limited Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.61	Not limited	
Un: Ulen-----	90	Somewhat limited Frost action  Depth to saturated zone	0.50  0.19	Very limited Cutbanks cave  Depth to saturated zone	1.00  1.00	Somewhat limited Depth to saturated zone Droughty	0.19  0.05
VhA: Vallars-----	60	Very limited Frost action  Low strength Depth to saturated zone Shrink-swell Flooding	1.00  1.00 1.00 0.50 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00  0.10	Very limited Depth to saturated zone	1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Hamerly-----	30	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength Shrink-swell	0.78 0.50	Cutbanks cave	0.10		
Parnell-----	5	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
VnA: Vienna-----	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
VnB: Vienna-----	80	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
VnC: Vienna-----	80	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
W: Water-----	100	Not rated		Not rated		Not rated	
Wa: Waubay-----	90	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
ZeD: Zell-----	60	Very limited Frost action Slope Low strength	1.00 1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Eckman-----	25	Very limited Frost action Slope	1.00 0.63	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63